GAZCO

Stockton 5

Conventional Flue Coal Effect Stove

With upgradeable control valve

Instructions for Use, Installation and Servicing

For use in GB, IE (Great Britain and Eire)

This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Gazco for further information.

IMPORTANT

Do not attempt to burn rubbish in this appliance. This appliance must only be operated with the door secured firmly in position. The outer casing of this appliance will become hot whilst in operation, it is therefore recommended that the appliance be guarded to protect young children, the elderly or infirm.
Ensure that fabrics such as curtains are not positioned above or near to the stoves outer casing.

Please read these Instructions carefully before installation and use. Keep them in a safe place for future reference and when servicing the fire.

The commissioning sheet found on page 3 of these instructions should be completed by the installer.

PR0777 Issue 1 (August 2005)

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COVERING THE FOLLOWING MODELS

8575 MCUC
P8575 MCUC

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APPLIANCE COMMISSIONING CHECKLIST

IMPORTANT NOTICE

Explain the operation of the appliance to the end user, hand the completed instructions to them for safe keeping, as the information will be required when making any guaranteed claims.

FLUE CHECK		PASS	FAIL
1.	Flue is correct for appliance		
2.	Flue flow test		
3.	Spillage test		
GAS CHECK			
1.	Gas soundness & let by test		
2.	Standing pressure test	mb	
3.	Appliance working pressure (on High Setting) NB All other gas appliances must be operating on full	mb	
4.	Gas rate	m^3/h	
5.	Does ventilation meet appliance requirements		
6.	Have controls been upgraded (Upgradeable models only) 8455 Standard	YES	NO
	8456 Programmable Thermostatic and Timer	YES	NO

DEALER AND INSTALLER INFORMATION

Dealer.....

.....

.....

Contact No......

Date of Purchase.....

Model No......

Serial No......

Gas Type.....

Installation Company.....

.....

.....

Engineer.....

Contact No......

Corgi Reg No......

Date of Installation.....

This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. **This guarantee will be invalid, to the extent permitted by law, if the above Appliance Commissioning Checklist is not fully completed by the installer and available for inspection by a Gazco engineer.** The guarantee will only be valid during the second year, to the extent permitted by law, if the annual service recommended in the Instructions for Use has been completed by a Corgi registered engineer, and a copy of the service visit report is available for inspection by a Gazco engineer.

USER INSTRUCTIONS

1. GENERAL

1.1 Installation and servicing must be carried out by a competent person in accordance with Gas Safety (Installation and Use) Regulations 1998, the relevant British Standards for Installation, appropriate Codes of Practice and in accordance with the manufacturers instructions. It is recommended that a CORGI registered engineer be used for this purpose as they are approved by the HSE under the above regulations.

1.2 This appliance is suitable for use in G.B. and I.E. using Natural Gas at a supply pressure of 20mbar or LPG at a supply pressure of 29mbar (Butane) or 37mbar (propane).

1.3 The installation shall also be completed in accordance with:

The Building Regulations issued by The Department of The Environment.

The Building Standards (Scotland) Regulations issued by the Scottish Development Department.

For Republic of Ireland, reference should be made to the relevant standards governing installations (IS813:1996)

1.4 Read all these instructions before commencing installation.

1.5 This appliance must be installed in accordance with the rules in force and only used in a sufficiently ventilated space.

1.6 Ensure that curtains are not positioned above the stove, and that there is at least a clearance of 300mm between the sides of the stove and any curtains.

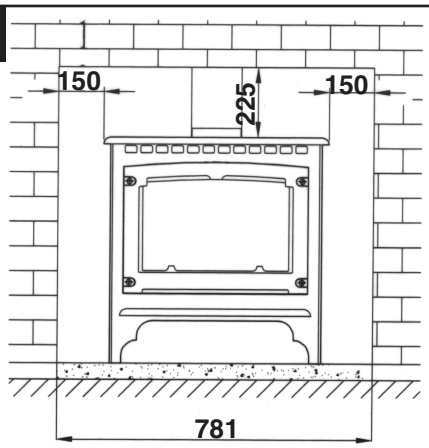
1.7 The manufacturer considers the full outer casing of this stove to be a working surface. Therefore it will become hot whilst in operation. A suitable guard is recommended to protect young children, the aged and the infirm.

1.8 This stove must only be operated with the door secured firmly in position. If any cracks appear in the glass the appliance must not be used until the glass panel is replaced.

1.9 Do not attempt to burn rubbish in this stove.

1.10 Any combustible shelves or surrounding furniture must only be fitted in accordance with the minimum dimensions detailed in diagram 1.

1



1.11 Contact a competent service engineer to carry out relevant spillage checks etc. following home improvements carried out after installation of this stove (e.g. the fitting of double glazing).

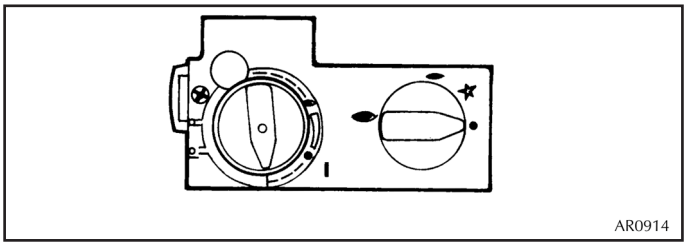
1.12 In all correspondence, please quote the appliance type and serial number which can be found on the databadge at the rear of the stove.

1.13 This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. Please consult with your local Gazco dealer if you have any questions. In all correspondence always quote the model No. and serial No. **Please ensure the commissioning checklist is completed by your installer, as this is a requirement of your Guarantee.**

2. LIGHTING THE APPLIANCE

2.1 Locate the control valve on the appliance. There are two control knobs on the valve, the right hand knob controls the pilot ignition and the left hand knob controls the main burner.

2.2 If your appliance has already been upgraded to battery remote control, please refer to the instructions provided with the upgrade to operate the remote control. The following instructions will work for either situation.



2.3 Ensure that the left-hand control knob is pointing to off (●).

2.4 Ensure that the right hand control knob is pointing to off (●).

2.5 Press in the right hand control knob and rotate it anti-clockwise until a click is heard (keep pressing in) and the knob is pointing to pilot (▬). The pilot should now light. If the pilot has not lit, repeat the procedure until it does.

2.6 Keep the control knob pressed for 10 seconds and then release it, the pilot should stay alight. If the pilot goes out, repeat the procedures until it does.

2.7 If the pilot will not light after repeated attempts, contact the retailer or installer from whom the appliance was purchased.

2.8 Turn the right hand control to point to main burner (◒). The appliance can now be controlled using the left hand control knob.

2.9 Turn the left hand control knob to point to low fire (◒), the main burner will light on low. The burner can now be controlled between low and high settings. Turn the control knob anticlockwise increase the flame height and clockwise to decrease the flame height.

THE YELLOW FLAMES WILL APPEAR WHEN THE FIRE HAS GAINED SUFFICIENT HEAT - TYPICALLY 10 TO 20 MINUTES.

IF THE APPLIANCE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE APPLIANCE.

USER INSTRUCTIONS

3. TURNING THE STOVE OFF

3.1 To turn the stove off, locate the control valve, turn the lefthand control knob until it points to off (●). The main burner will go out leaving the pilot burning.

3.2 To turn the pilot off, locate the control valve, turn the right hand control knob until it points to off (●), the pilot will go out.

4. UPGRADING YOUR STOVE

4.1 Your stove is fitted with a control valve that can easily be upgraded to battery powered remote control. This upgrade can be fitted by anyone capable of simple DIY jobs and requires no special training. There are two versions of this control which can be obtained through your local Gazco stockist.

4.2 STANDARD REMOTE CONTROL This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning GAZCO PART NUMBER 8455.

4.3 THERMOSTATIC AND TIMER REMOTE CONTROL This remote control can control the gas appliance after the pilot has been lit. In 'MANUAL MODE' it can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner leaving the pilot burning. In 'AUTO MODE' it will automatically regulate the room temperature to a pre-set temperature. In 'TIMER MODE' it will turn the fire on and off according to a pre-set programme and automatically regulate the room temperature during the two on periods. GAZCO PART NUMBER 8456

5.CLEANING THE FIRE

WARNING: DO NOT ATTEMPT TO CLEAN THE STOVE UNTIL IN A COLD CONDITION. THE STOVE RETAINS ITS HEAT FOR A CONSIDERABLE TIME AFTER SHUTDOWN.

ADVICE ON HANDLING AND DISPOSAL OF FIRE CERAMICS

The fuel effect and side panels in this appliance are made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

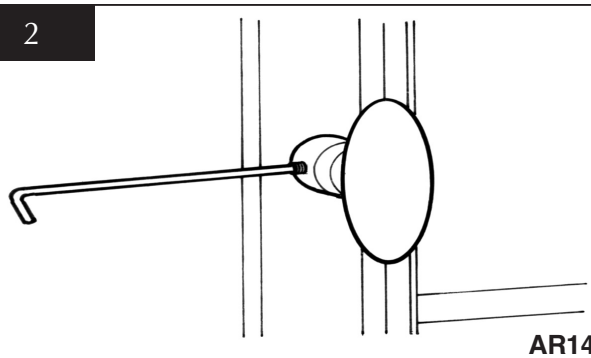
To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste.

RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

5.1 Open the door by undoing the grub screw with the 2mm Allen key. Rotate the doorknob anti-clockwise until the door is able to open. See diagram 2.

2



5.2 Carefully remove the ceramic fuel bed components and place to one side, taking care to protect floor coverings etc, **PLEASE HANDLE WITH CARE.**

5.3 The coals should not require cleaning. Do not use a vacuum cleaner or brush to clean the coals, any large pieces of debris may be removed by hand.

5.4 Ensure any debris is removed from the burner ports.

5.5 Replace the ceramics by referring to section 6.

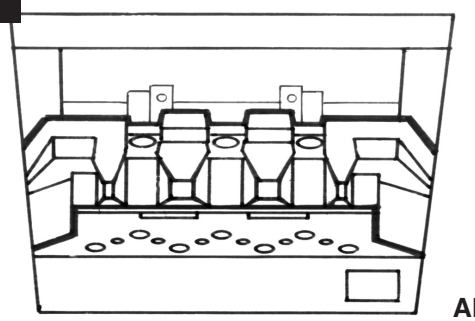
5.6 Use a damp cloth to clean the outer casing of the appliance.

USER INSTRUCTIONS

6. FUEL BED ARRANGEMENT

6.1 Place the flame baffle onto the burner and push against the rear tray lip. See diagram 3.

3



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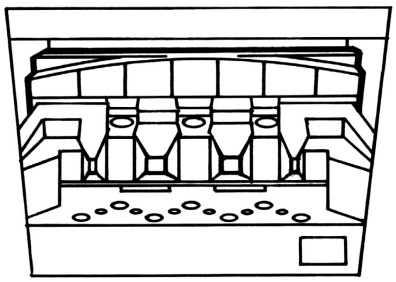
6.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle. See diagram 4.

4



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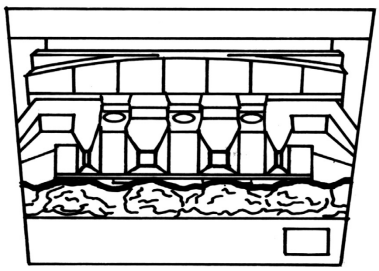
6.3 Locate the front coal between the heat shield and the flame baffle so that its ends sit flat against the burner skin. See diagram 5.

5



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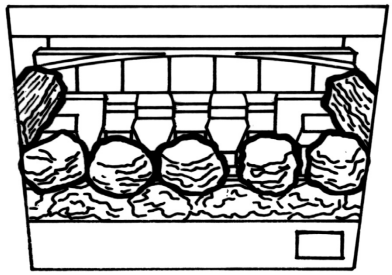
6.4 Place five of the loose round coals on the front coal so they lean against the flame baffle, in between the fingers. Place the two rectangular coals against the reflector panels, one either side, behind the front row of loose coals. See diagram 6.

6



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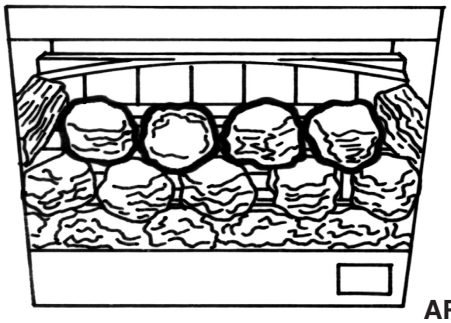
6.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer ones should touch the rectangular coals. See diagram 7.

7



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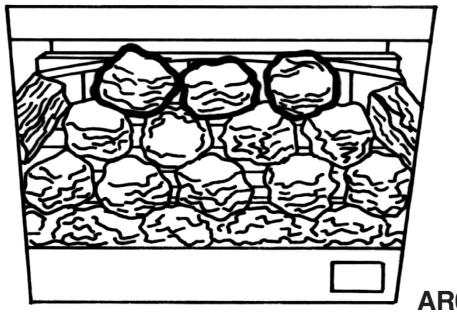
6.6 Place the remaining three round coals behind the centre row so that they touch the back panel. See diagram 8.

8



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USER INSTRUCTIONS

7. GAZCO FLUE SURE SYSTEM

7.1 The stove is fitted with the Gazco Flue Sure System, which will act to cut off the gas supply to the burners in the event of incorrect operation of the flue. If the system acts to cut off the gas supply, this indicates that there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means there may be a serious problem with the flue system. A qualified gas engineer should inspect this. **Do not use the stove until an engineer says it is safe to do so.**

8. THE FLAME FAILURE DEVICE

8.1 This is a safety feature incorporated in all GAZCO fires, which automatically switches off the gas supply if the pilot light goes out and fails to heat the thermocouple.

9. 'RUNNING IN'

9.1 The surface coating on your GAZCO stove will 'burn off' during the first 24 hours of operation on high, producing a harmless and temporary odour. If the odour persists ask your retail for advice.

10. SERVICING

10.1 A qualified gas engineer must service the stove every 12 months. In all correspondence, always quote the appliance type and the serial number that may be found on the data badge on the appliance.

11. VENTILATION

11.1 Any purpose provided ventilation should be checked periodically to ensure that it is free from obstruction.

12. INSTALLATION DETAILS

12.1 To assist in any future correspondence, your installer should have completed the commissioning sheet, this records the essential installation details of this appliance. In all correspondence always quote the model No. and serial No.

13. HOT SURFACES

13.1 Parts of this appliance become hot during normal use. It is therefore recommended that a suitable fire guard be used for protection of young children and the infirm. Indeed, all parts of the appliance should be treated as a 'working surface' except for the control area.

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATION

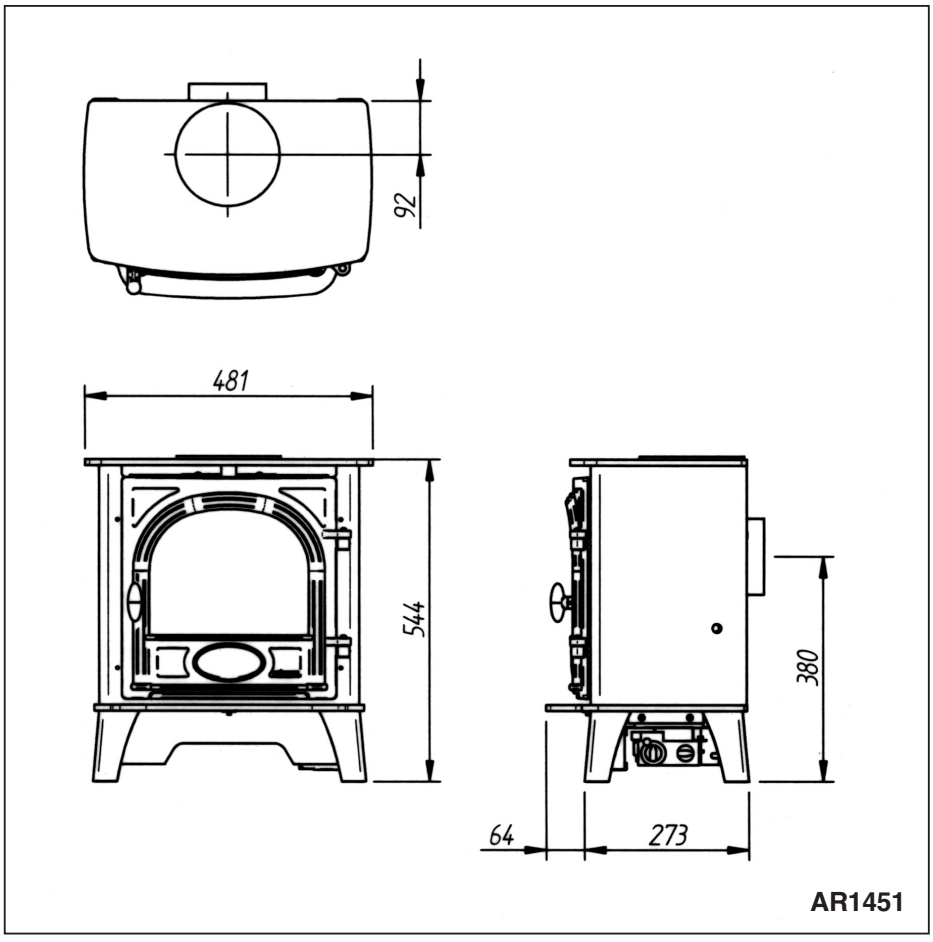
Covering the following models

8575 MCUC P8575 MCUC

Model CAT.	Gas	Gas Type	Working Pressure	NOX Class	Aeration	Injector	Gas Rate m^3/h	Input kW (Gross)		Country
								High	Low	
Stockton 5 8575	I_{2H}	Natural Gas G20	20 mbar	5	1 x 7.5mm	260	0.435	4.6 Gross	2.5 Gross	GB, IE
Stockton 5 P8575	I_{3P}	LPG Propane G31	37 mbar	5	1 x 13.5mm	110	0.170	4.4 Gross	2.3 Gross	GB, IE
Efficiency Class II Flue Outlet Size 127mm (5″) ø Gas Inlet Connection Size 8mm ø										
Minimum flue specification		T260 / N2 / O / D / 1								
Maximum flue temperature		180°C								

Packing Checklist

Qty	Description
1	Stove
1	Flue infill plate
1	Front coal
1	Flame baffle
1	Coal set
1	Rear ceramic
1	Fixing kit containing:-
1	Instruction manual
2	Wood screws
2	Rawlplugs
1	Allen key



INSTALLATION INSTRUCTIONS
SITE REQUIREMENTS

1. FLUE AND CHIMNEY REQUIREMENTS

1.1 The chimney or flue system must comply with the rules in force, and must be a minimum of 127mm in diameter. (5").

1.2 The minimum effective height of the flue or chimney must be 3 metres (10ft). Any horizontal flue run from the rear outlet should not exceed 100mm from the back of the appliance.

1.3 The chimney or flue must be free from any obstruction. Any damper plates should be removed or secured in the fully open position, and no restrictor plates should be fitted.

1.4 The chimney should be swept prior to the installation of the appliance. However, where it can be seen that the chimney is clean and unobstructed throughout its entire length, it need not be swept.

1.5 If it is intended to fit the stove into a existing brick built chimney, a 5" (127mm) liner must be used. Larger lined flues may work, but in some instances could cause cold start flue problems resulting in nuisance shutdown. Lined flues above 7" (175mm) are not recommended.

1.6 Due to recent changes to European chimney standards, new flue's and chimney's are now described by their temperature, pressure and resistance to corrosion, condensation and fire. To assist in identifying the correct flue system, the minimum flue specification is shown in the technical specification on page 8 of this book. Existing chimney's are not covered by this system.

2. VENTILATION

2.1 Consult the rules in force.

Note: This appliance does not normally require any additional ventilation when installed in G.B.

3. INSTALLATION OF THE GAS SUPPLY

3.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

3.2 Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force.

3.3 Soft copper tubing and soft soldered joints can be used but must not be closer than 50mm to the base of the tray.

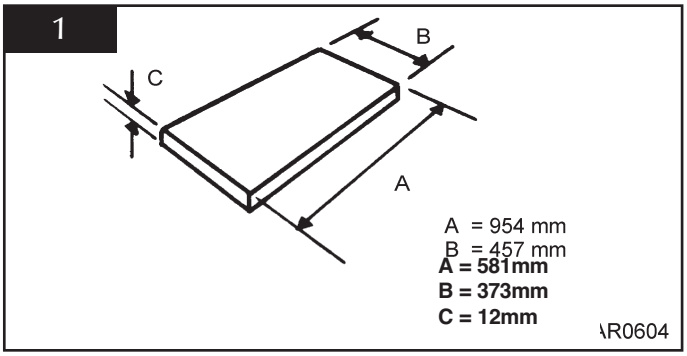
3.4 A means of isolating the gas supply to the appliance must be provided independent of any appliance control.

3.5 All supply gas pipes must be purged of any debris that may have entered, prior to connection to the appliance.

4. APPLIANCE LOCATION

4.1 This appliance must stand on a non-combustible hearth that is at least 12mm thick, and project a minimum of 50mm from the base of the stove in all directions. See diagram 1.

1

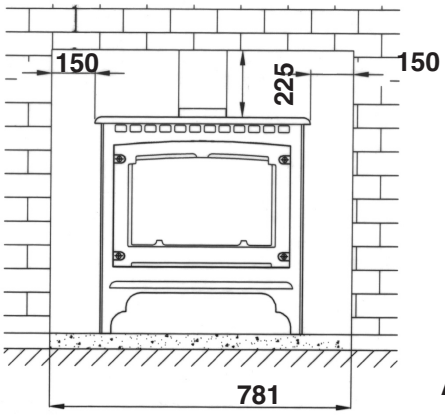


4.2 This appliance must not be installed in a room that contains a bath or shower.

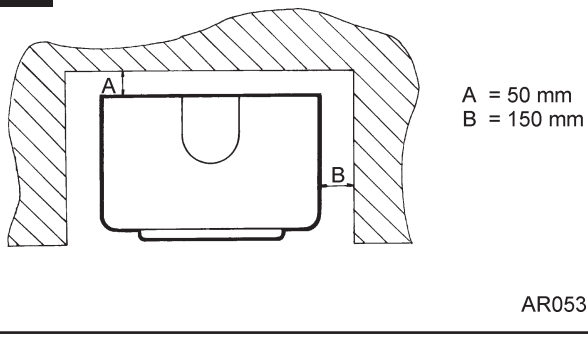
4.3 The stove is not suitable for installation against a combustible wall; all combustible materials must be removed from the area behind the stove.

4.4 Ensure that all minimum clearances to combusible materials are complied with. See diagram 2 & 2A.

2



2A



In a non-combustible recess attention must be given to allowing adequate clearance at the sides and rear of the stove, so that a spillage test can be performed, and the controls reached.

INSTALLATION INSTRUCTIONS
INSTALLATION

IMPORTANT: ENSURE THAT THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE. REFER TO DATABADGE AND TECHNICAL SPECIFICATIONS AT THE FRONT OF THIS BOOKLET.

FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SECTION 11 PAGE 20.

1. CONTROL UPGRADE

1.1 This stove is fitted with a control valve that can be easily upgraded to battery powered remote control. There are two versions of this control which can be obtained through your local Gazco stockist.

1.2 This upgrade can be fitted before or after installation but if side clearances are limited then it will be easier to upgrade the stove before installation. Full instructions are included with the kit.

1.3 STANDARD REMOTE CONTROL This remote control can control the gas appliance after the pilot has been lit. It can turn the main burner on and regulate it from low through to high and back again. It can turn the main burner off leaving the pilot burning. GAZCO PART NUMBER 8455.

1.4 THERMOSTATIC AND TIMER REMOTE CONTROL This remote control can control the gas appliance after the pilot has been lit. In 'MANUAL MODE' it can be used to turn the main burner on and manually regulate it from low through to high and back again. It can also be used to turn the main burner off leaving the pilot burning. In 'AUTO MODE' it will automatically regulate the room temperature. In 'TIMER MODE' it will turn the fire on and off according to a pre-set programme and automatically regulate the room temperature during two on periods. GAZCO PART NUMBER 8456

2. SAFETY PRECAUTIONS

2.1 This appliance must be installed in accordance with the rules in force, and used only in a sufficiently ventilated space. Place read these instructions before installation and use of this appliance.

2.2 All the instructions must be left intact with the user.

2.3 In your own interest, and those of safety, this appliance must be installed by a competent person in accordance with local and national codes of practice. Failure to install the appliance correctly could lead to prosecution.

2.4 This appliance is intended for use on a governed gas installation and set to the required pressure.

2.5 Keep all plastic bags away from young children.

2.6 Do not place any object on or near to the stove. Allow adequate clearance above the stove. See diagram 2 page 9.

2.7 The stove is fitted with the **Gazco Flue Sure System**, which will act to cut off the gas supply to the appliance in the event of incorrect operation of the flue. If the system acts to shut off the gas supply, this indicates that there is insufficient flue pull. If this occurs a minimum of 10 minutes should be allowed before trying to relight. Continued operation of this safety device means that there may be a serious problem with the flue system; a qualified gas engineer should inspect this. **DO NOT USE THE STOVE UNTIL AN ENGINEER SAYS IT IS SAFE TO DO SO.**

2.8 The Flue Sure System must not be tampered with. Use only genuine Gazco replacement parts when servicing the system - refer to servicing section on page 19.

3. INSTALLATION OF THE STOVE

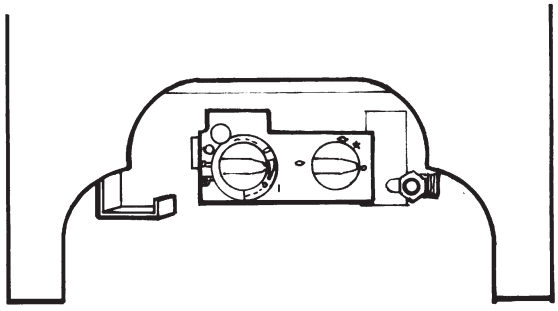
3.1 Open the carton, remove the accessory carton and stove unit. It will now be necessary to decide upon top or rear flue exit. The stove is factory built for rear flue exit but it may be changed to top exit by simply interchanging the flue spigot and blanking plate located on the stove.

3.2 Position the stove ensuring all appropriate clearances are observed. Using a pencil, mark the position of the holes in the fixing brackets attached to the inside of the rear legs.

3.3 Remove the stove and drill the holes using a number 12 masonry drill. Push rawlplugs into the holes and insert the woodscrews until the head is approximately 3mm proud of the hearth. Place the stove in position so that the screw heads located in the large part of the slot in the bracket, push the stove back so that the screw heads engage fully into the narrow part of the slot, tighten the screws if desired.

3.4 Having run the gas supply to the stove, **PURGE THE SUPPLY PIPE**, this is essential to expel any debris that may block the gas controls. Connect the gas supply to the 8mm-compression elbow at the RH rear corner of the stove. There is a cutout in the RH rear leg to enable a direct straight connection to be made to the rear of the stove. See diagram 3. A gas soundness check must be completed up to the gas inlet connection.

3



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INSTALLATION INSTRUCTIONS
INSTALLATION

3.5 Check the pull of the flue system by applying a lighted smoke pellet to the flue system opening. If there is a definite flow into the chimney, proceed with the installation, if not warm the chimney for a few minutes.

IF THERE IS STILL NO DEFINITE FLOW, THE FLUE MAY REQUIRE ATTENTION - SEEK EXPERT ADVICE

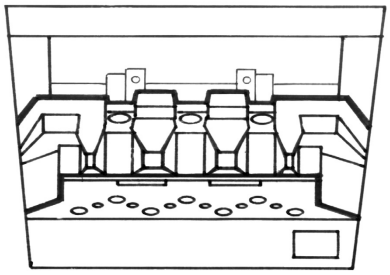
3.6 The flue system may now be connected to the stove, ensure that all joints are sealed with a suitable fire resistant sealant. It is also recommended that a physical retention method be used at the flue spigot joint, self-tapping screws being favoured.

3.7 Connect a suitable pressure gauge to the test point located on the inlet fitting, and turn the gas supply on. Light the appliance and check all gas joints for gas soundness. Turn the appliance to maximum and check that the supply pressure is as stated on the databadge. Turn the gas off and replace the test point screw, turn the gas on and check the test point for gas soundness.

4. FUELBED ARRANGEMENT

4.1 Place the flame baffle onto the burner and push up against the rear tray lip. See diagram 4.

4



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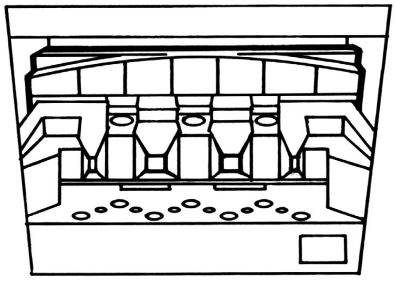
4.2 Locate the rear panel against the spacer brackets and slide down so that it locates on the ledge of the flame baffle. See diagram 5.

5



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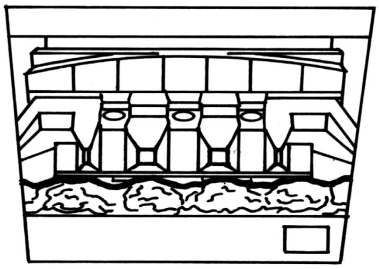
4.3 Locate the front coal between the heat shield and the flame baffle so that it ends sit flat against the burner skin. See diagram 6.

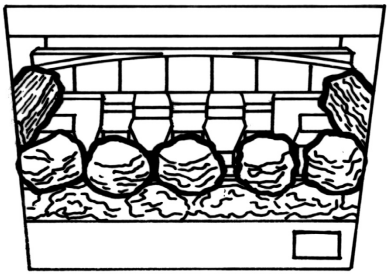
6



AR0361

4.4 Place five of the loose round coals on the frint coal so that they lean against the flame baffle, in between the fingers. Place the two rectangular against the reflector panels, one either side, behind the front row of loose coals. See diagram 7.

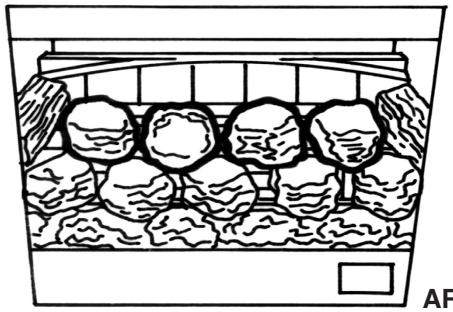
7



AR0362

4.5 Place four of the loose round coals behind the first row so that they sit on the fingers, the two outer coals should touch the rectangular coals. See diagram 8.

8

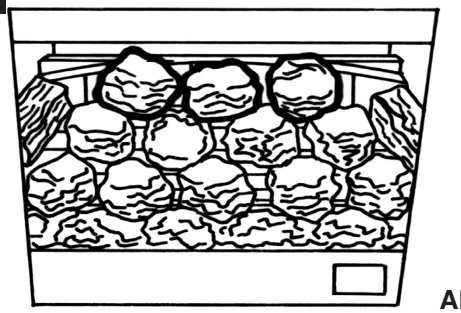


AR0363

INSTALLATION INSTRUCTIONS
INSTALLATION

4.6 Place the remaining three coals behind the centre row so that they touch the back panel. See diagram 9.

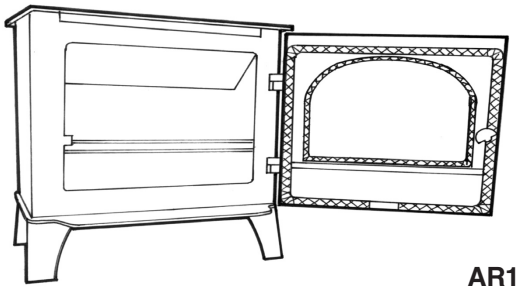
9



AR0364

4.7 Ensure that the fibreglass rope seal on the back of the door is intact, close the door and rotate the doorknob clockwise to seal, some resistance will be felt at the end of its stroke, the doorknob will come to a stop in the vertical plane. See diagram 10.

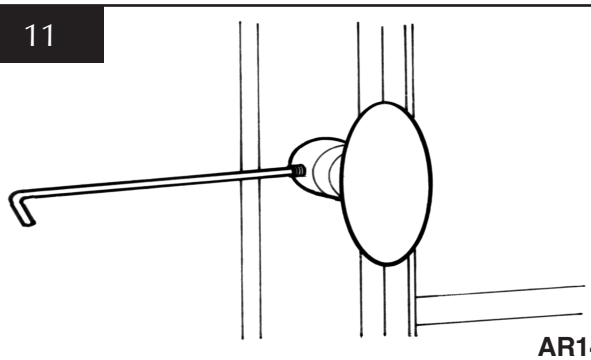
10



AR1440

4.8 Secure door by tightening the lock screw with the 2mm Allen key. See diagram 11.

11



AR1439

5. LIGHTING

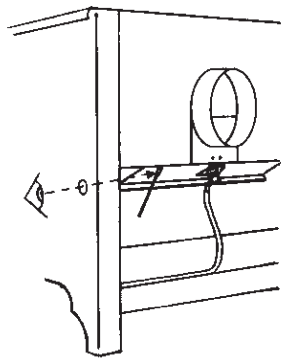
5.1 Full instructions are given in the users handbook.

INSTALLATION INSTRUCTIONS
COMMISSIONING

1. COMMISSIONING

1.1 Close all openable doors and windows in the room, ignite the stove and operate on maximum for 10 minutes. Remove the plastic sight plug from the right hand side of the stove. Position a lighted smoke match just inside the draught diverter opening and check that all smoke is drawn into the opening by viewing through the sight hole. See diagram 1. If there is any doubt, run the stove for a further 10 minutes, and repeat the test.

1



AR0388

1.2 If there are any extractor fans in adjacent rooms, the test must be repeated with the fans running on maximum and interconnecting doors open.

IF SPILLAGE PERSISTS, DISCONNECT THE APPLIANCE AND SEEK EXPERT ADVICE.

For future reference record the installation details on the commissioning sheet page 3 of these instructions.

SERVICING INSTRUCTIONS
SERVICING / FAULT FINDING CHARTS

1. SERVICING REQUIREMENTS

This appliance must be serviced at least once a year by a competent person.

All tests must be serviced by best practice as described by the current CORGI recommendations.

1.1 Before any test are undertaken on the appliance, conduct a gas soundness test for the property to ensure that there are no gas leaks prior to starting work.

1.2 Before any tests are undertaken on the applaince it is also recommended to fully check the operation of the appliance.

1.3 Special checks

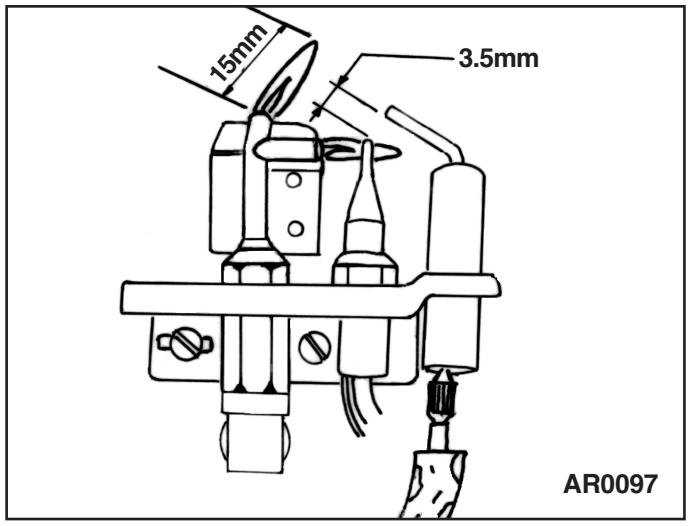
1.3.1 Clean any lint or fluff from the pilot - pay particular attention to the aeration hole in the side of the pilot

1.3.2 Clean away any fluff or lint from under the burner

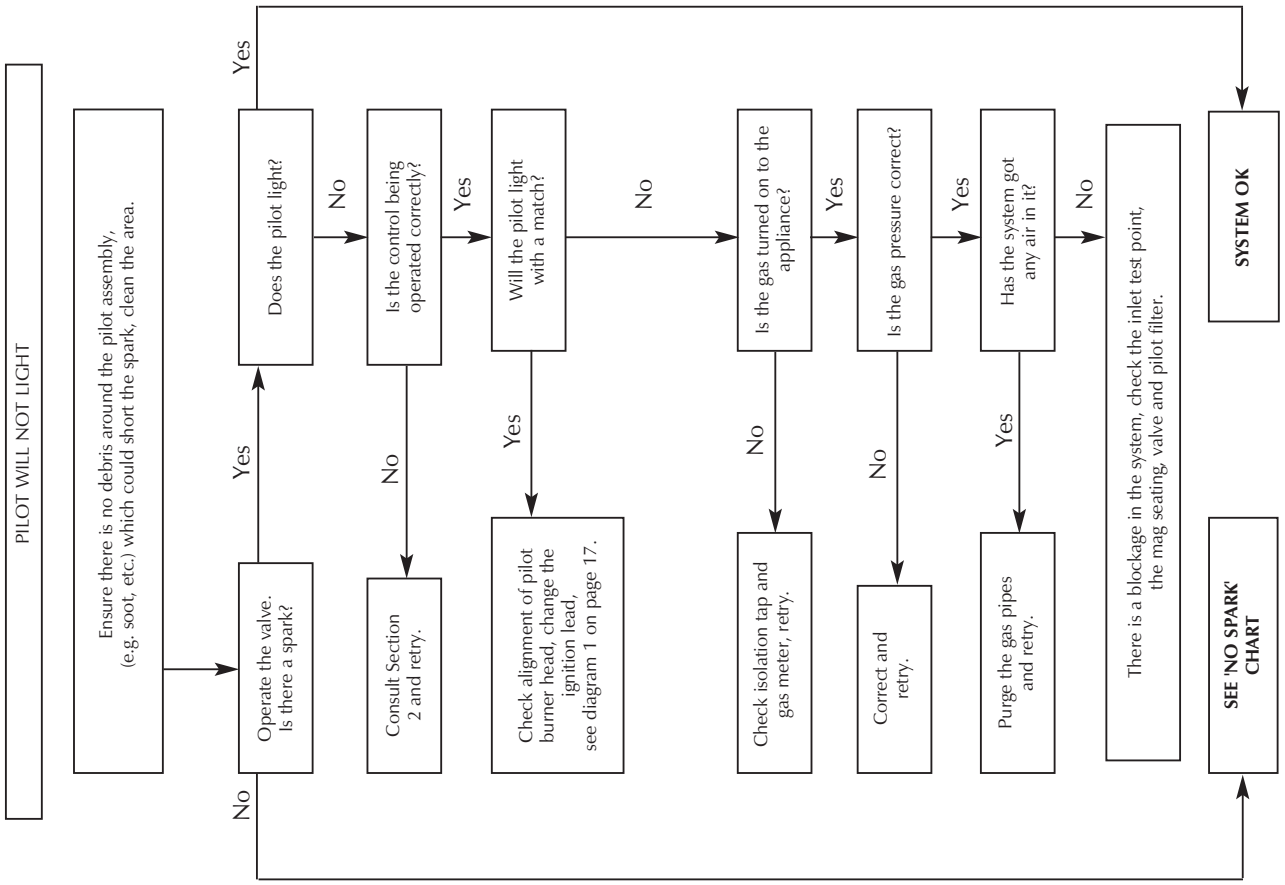
1.3.3 Check that the spark gap on the pilot is correct

1.4 Correct any faults found during the initial tests and then re-commission the appliance conducting the usual safety checks.

1.5 Advise the customer of any remedial action taken.

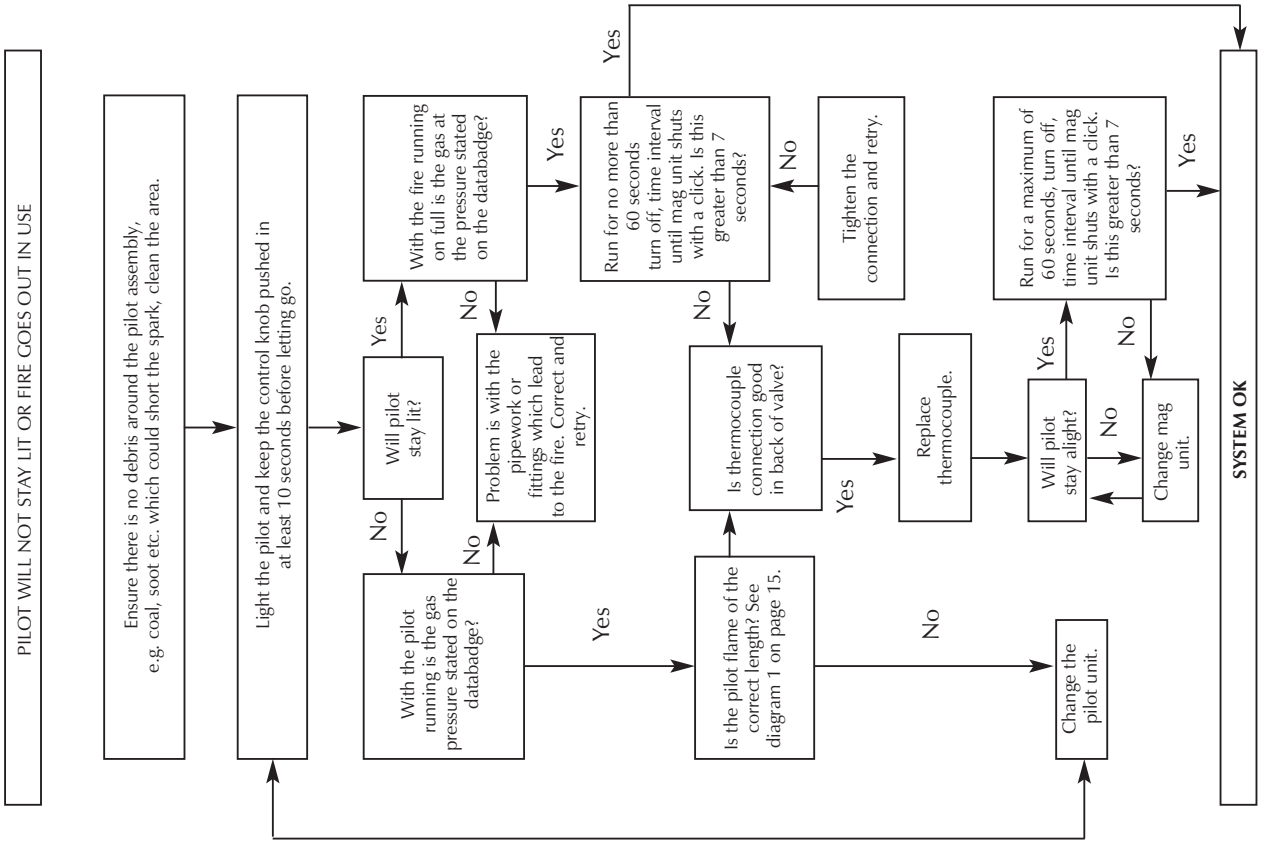


IGNITION FUNCTIONAL CHECK 1

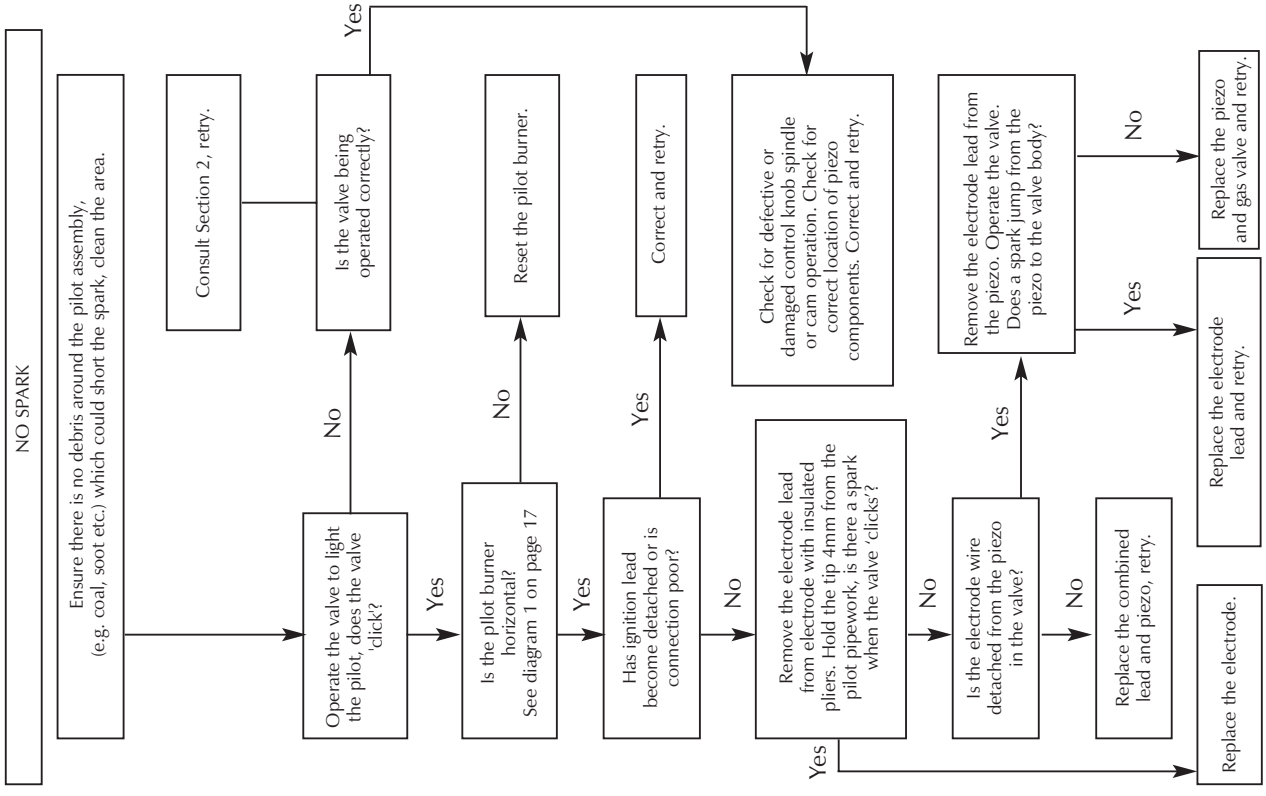

PILOT WILL NOT LIGHT
Ensure there is no debris around the pilot assembly, (e.g. soot, etc.) which could short the spark, clean the area.
Operate the valve. Is there a spark?
Yes
No
Does the pilot light?
Yes
No
Consult Section 2 and retry.
Is the control being operated correctly?
Yes
No
Check alignment of pilot burner head, change the ignition lead, see diagram 1 on page 17.
Will the pilot light with a match?
Yes
No
Check isolation tap and gas meter, retry.
Is the gas turned on to the appliance?
Yes
No
Correct and retry.
Is the gas pressure correct?
Yes
No
Purge the gas pipes and retry.
Has the system got any air in it?
Yes
No
There is a blockage in the system, check the inlet test point, the mag seating, valve and pilot filter.
SYSTEM OK
SEE 'NO SPARK' CHART

SERVICING INSTRUCTIONS
FAULT FINDING CHARTS

FLAME FAILURE FUNCTIONAL CHECK


PILOT WILL NOT STAY LIT OR FIRE GOES OUT IN USE
Ensure there is no debris around the pilot assembly, e.g. coal, soot etc. which could short the spark, clean the area.
Light the pilot and keep the control knob pushed in at least 10 seconds before letting go.
Will pilot stay lit?
Yes
No
With the fire running on full is the gas at the pressure stated on the databadge?
Yes
No
Problem is with the pipework or fittings which lead to the fire. Correct and retry.
With the pilot running is the gas pressure stated on the databadge?
Yes
No
Run for no more than 60 seconds turn off, time interval until mag unit shuts with a click. Is this greater than 7 seconds?
Yes
No
Tighten the connection and retry.
Is thermocouple connection good in back of valve?
Yes
No
Replace thermocouple.
Is the pilot flame of the correct length? See diagram 1 on page 15.
Yes
No
Change the pilot unit.
Will pilot stay alight?
Yes
No
Run for a maximum of 60 seconds, turn off, time interval until mag unit shuts with a click. Is this greater than 7 seconds?
Yes
No
Change mag unit.
SYSTEM OK

IGNITION FUNCTIONAL CHECK 2


NO SPARK
Ensure there is no debris around the pilot assembly, (e.g. coal, soot etc.) which could short the spark, clean the area.
Consult Section 2, retry.
Is the valve being operated correctly?
Yes
No
Operate the valve to light the pilot, does the valve 'click'?
Yes
No
Reset the pilot burner.
Is the pilot burner horizontal? See diagram 1 on page 17
Yes
No
Correct and retry.
Has ignition lead become detached or is connection poor?
Yes
No
Check for defective or damaged control knob spindle or cam operation. Check for correct location of piezo components. Correct and retry.
Remove the electrode lead from electrode with insulated pliers. Hold the tip 4mm from the pilot pipework, is there a spark when the valve 'clicks'?
Yes
No
Remove the electrode lead from the piezo. Operate the valve. Does a spark jump from the piezo to the valve body?
Yes
No
Replace the piezo and gas valve and retry.
Is the electrode wire detached from the piezo in the valve?
Yes
No
Replace the electrode lead and retry.
Replace the combined lead and piezo, retry.
Replace the electrode.

SERVICING INSTRUCTIONS
REPLACING PARTS

1. GENERAL

1.1 All principal components can be replaced without removing the stove from its installation, although it is essential that the gas supply to the appliance is turned off at the isolation device before proceeding further.

For information on the handling and disposal of fire ceramics please refere to section 5, Cleaning the Fire, in the user instructions.

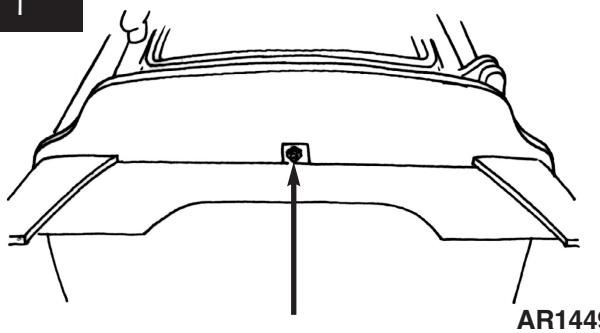
ENSURE THAT THE APPLIANCE IS COLD BEFORE STARTING WORK ON IT!

2. MAIN BURNER

2.1 Turn the gas supply off at the isolation device, remove the door lock screw by using the 2mm Allen key and open the door. Carefully remove the ceramic fuel bed components.

2.2 Remove the cover plate from the bottom of the stove by undoing the 6mm bolt, and place to one side. See diagram 1.

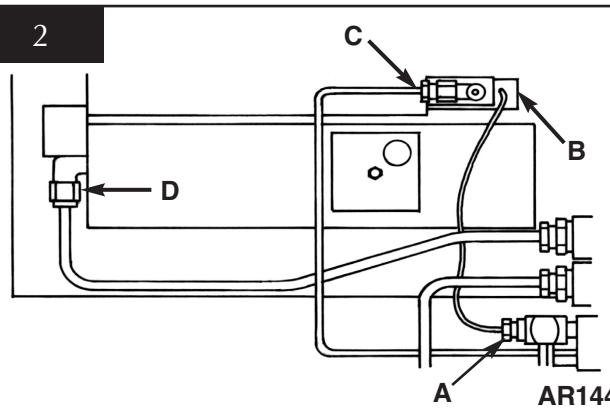
1



AR1449

2.3 Disconnect the thermocouple from the gas valve (A), remove the ignition lead from the electrode (B). cut the cable tie if required, undo the compression nut (C) from the pilot unit and undo the compression nut on the injector (D). See diagram 2.

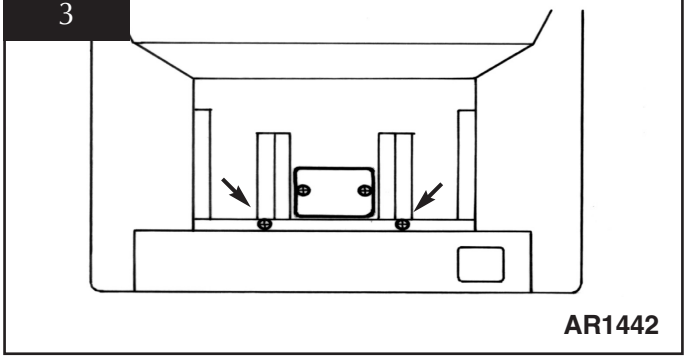
2



AR1441

2.4 Remove the two screws at the back of the firebox and lift the burner unit clear. See diagram 3.

3

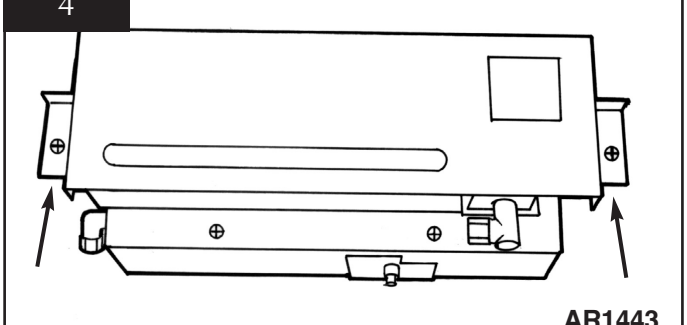


AR1442

3. PILOT UNIT

3.1 Follow the procedure for removing the main burner, when the burner is removed from the stove, remove the front aeration guide by undoing the two screws. See diagram 4.

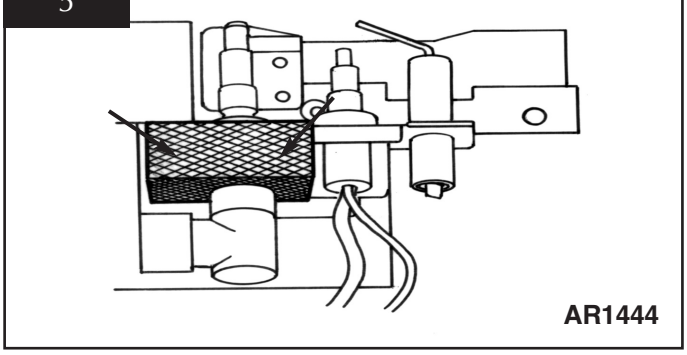
4



AR1443

3.2 Remove the lint arrestor, by folding the tabs back. See diagram 5.

5

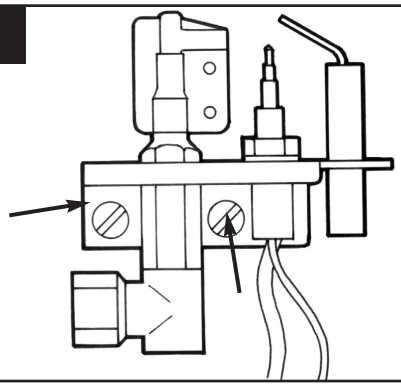


AR1444

SERVICING INSTRUCTIONS
REPLACING PARTS

3.3 The pilot unit can now be removed by undoing the two screws. See diagram 6.

6



AR1445

3.7 Reassemble in reverse order, do not overtighten.

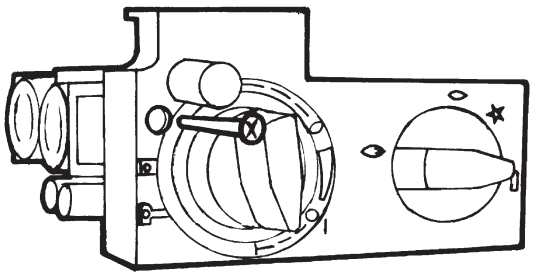
NOTE: SPECIAL CARE SHOULD BE TAKEN WHEN REPLACING THE THERMOCOUPLE TO THE BACK OF THE GAS VALVE TO ENSURE THAT THE SENOR WIRES FOR THE GAZCO FLUE SURE SYSTEM ARE NOT DISCONNECTED.

4. IGNITION LEAD

4.1 Gain access to the pilot assembly, see section 3 and disconnect the ignition lead from the electrode.

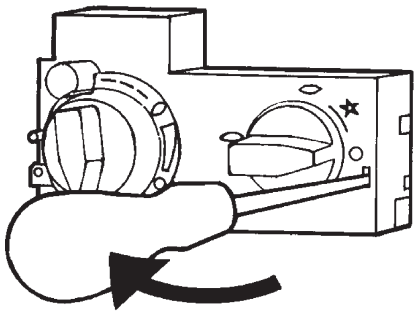
4.2 Remove the front cover from the control valve, see diagram 7 and 8, disconnect the other end of the ignition lead from the valve body, note the existing route of the ignition lead.

7



AR0915

8



AR0916

4.3 Replace with a new ignition lead following the same route as the old one. Replace the valve cover and the pilot assembly.

4.4 Check operation of the new ignition lead.

5. PIEZO

5.1 The piezo assembly used on this appliance is not serviceable and is unlikely to fail.

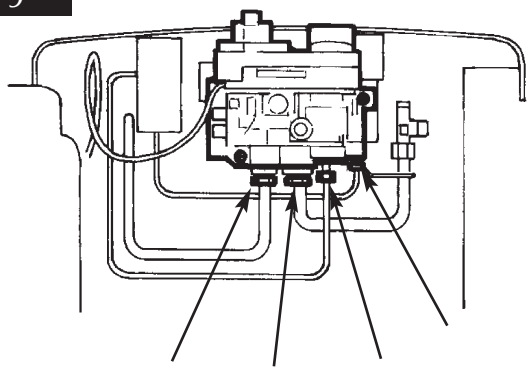
SERVICING INSTRUCTIONS
REPLACING PARTS

6. GAS VALVE

6.1 Turn the gas supply off at the isolation device.

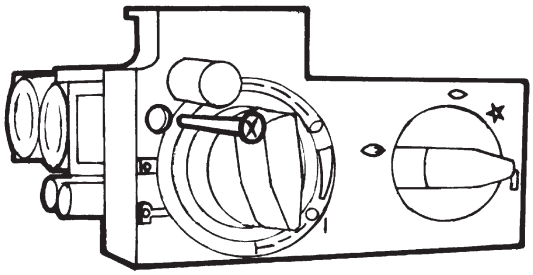
6.2 Disconnect the 2x8mm and 1x4mm gas pipe fittings at the back of the gas valve and also disconnect the thermocouple, see diagram 9.

9



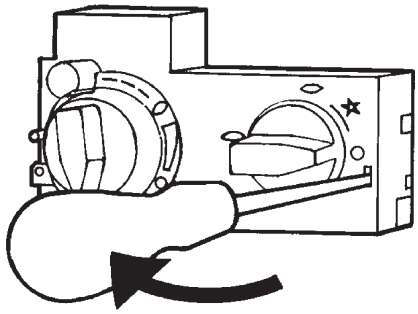
6.3 Undo the single screw that secures the left hand side of the control cover, see diagram 10.

10



6.4 To release the right hand side of the control cover insert the narrow blade screwdriver into the slot shown in diagram 11, lever it gently and pull from the right hand side at the same time. The cover will now come off, there is a small cylindrical metal spacer inside the cover, this must be kept and replaced on the fixing screw during re-assembly.

11



6.5 Disconnect the ignition lead from the gas valve.

6.6 Undo the two bolts securing the gas valve to the appliance and remove the valve.

6.7 Replace in reverse order.

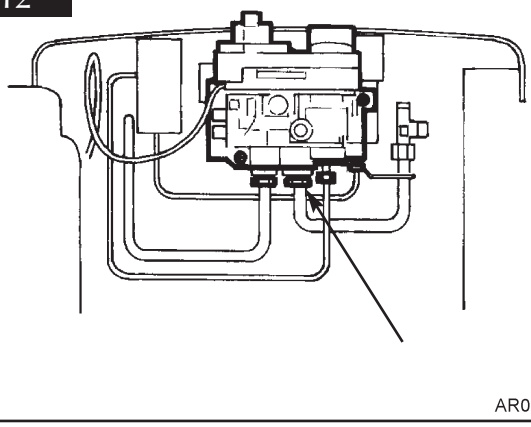
6.8 Check all joints for gas leaks, check operation of the thermocouple and ignition lead.

7. MAGNETIC SAFETY VALVE

7.1 Turn the gas supply off at the isolation device. Undo the thermocouple connection from the back of the gas valve, pull the sensor leads clear and remove the interrupter block.

7.2 Undo the magnetic valve-retaining nut from the back of the control valve, gently tap out the magnetic valve and replace with a new unit. Replace the retaining nut and tighten. See diagram 12.

12



7.3 Reassemble the interrupter block and leads. Secure the thermocouple connection in the rear of the gas control. (Do not overtighten). Turn the gas supply on and check the entire pipework and valve joints for any leaks.

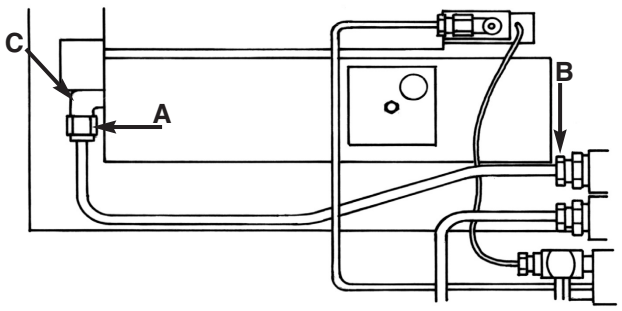
SERVICING INSTRUCTIONS
REPLACING PARTS

8. MAIN INJECTOR

8.1 Turn the gas supply off at the isolation device. Ensure that the appliance is cold before commencing work on it

8.2 Undo the compression nut from the injector (A) and loosen the compression nut (B) in the gas valve body. The pipe can now be positioned out of the way, screw the injector (C) out of the burner unit. See diagram 13.

13



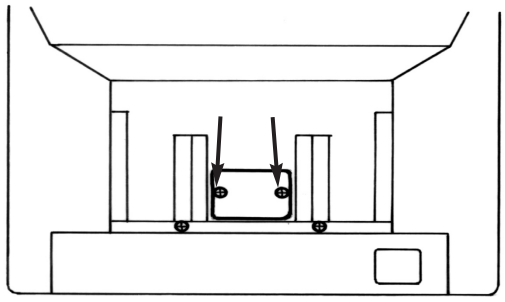
AR1441

8.3 Reassemble in reverse order, the injector must **NOT** be tightened into the burner but be allowed to float to enable it to line up with the pipe. Turn on the gas supply and check for leaks.

9. GAZCO FLUE SURE SYSTEM

9.1 Open the door and remove the ceramics, placing them carefully to one side. Undo the two screws in the back of the firebox and carefully withdraw the bracket. See diagram 14.

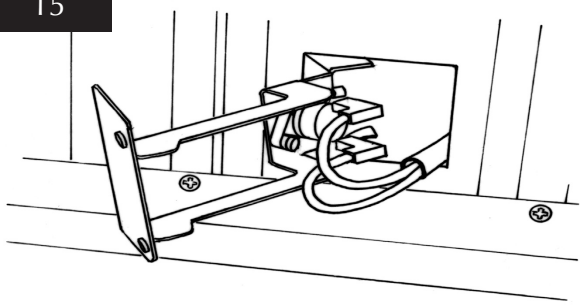
14



AR1442

9.2 Disconnect the two sender wires. Undo the two taptite screws and remove the sensor and the two plastic spacers. See diagram 15.

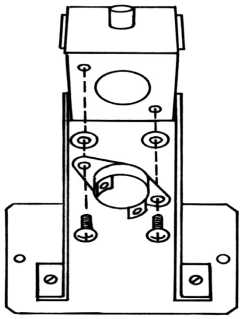
15



AR1446

9.3 Refit the new sensor ensuring that the plastic spacers are located between the bracket and the sensor. Refit the leads. See diagram 16.

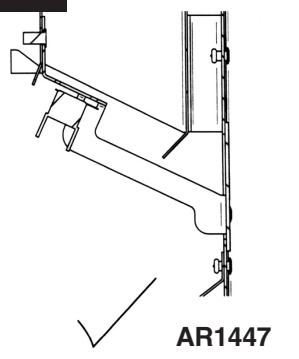
16



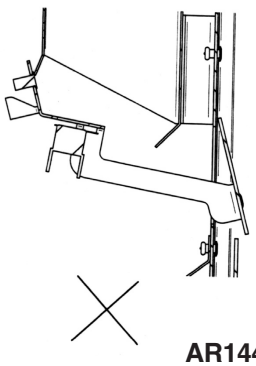
AR1452

9.4 Feed the cable back through the hole as you replace the bracket. When the bracket is located correctly it will sit flush with the back panel without force being required. If not positioned correctly the bracket will sit at an angle. See diagram 17.

17



AR1447



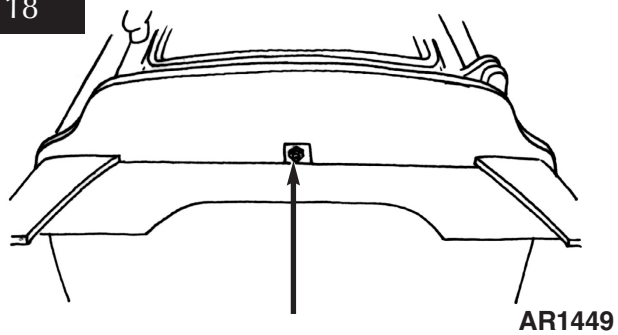
AR1448

SERVICING INSTRUCTIONS
REPLACING PARTS

10. PRIMARY AERATION PLATE

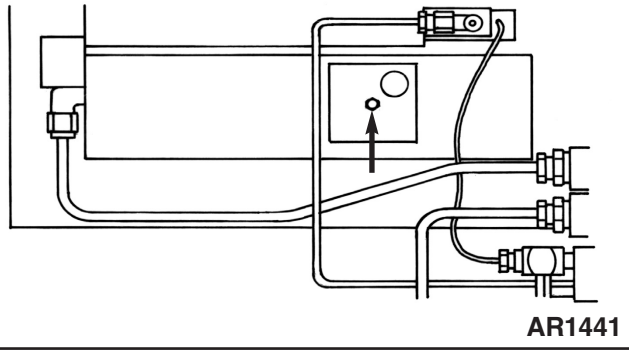
10.1 Remove the cover plate from the bottom of the stove by undoing the 6mm bolt. See diagram 18.

18



10.2 Undo the M5 nyloc nut from the bottom of the burner unit and remove the aeration plate. See diagram 19.

19



10.3 Reassemble in reverse order with the correct aeration plate.

11. CHANGING BETWEEN GAS TYPES

In order to change between gas types, it will be necessary to change the following items.

- Pilot Unit
- Control Valve**
- Main Injector
- Aeration Plate
- Data badge

The relevant parts can be ordered from Gazco, always quote the appliance type and serial number when ordering spare parts.

**** NOTE: THE CONTROL VALVE IS FACTORY PRESET FOR CORRECT GAS TYPE AND MODEL, A NEW UNIT WILL NEED TO BE ORDERED WHEN CHANGING BETWEEN GAS TYPES.**

SERVICING INSTRUCTIONS
REPLACING PARTS

12. CONTROL UPGARDE

See installation section on page 10.

13. SHORT SPARES LIST

	NG	LPG
COMPONENT	G20 20mb	G31 37mb
MAIN INJECTOR	IN0001	IN0054
AERATION PLATE	ME4066	ME4954
PILOT UNIT	PI0036	PI0037
BURNER ASSEMBLY	B0214	PB0214
MAGNETIC UNIT	GC0092	
GAS VALVE	GC0088K**	
IGNITION LEAD	GC0090	
FRONT COAL	CE0122	
FLAME BAFFLE	CE0118	
REAR PANEL	CE0135	
COAL SET	CE0127	
TTB SENSOR	EL0001	
SENSOR LEAD	EL0064	
INTERRUPTER	GC0029	
STANDARD UPGRADE KIT	8455	
THERMO UPGRADE KIT	8456	

**Note :- The control valve is factory preset for correct gas type and model.

SERVICE RECORDS

1ST SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

2ND SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

3RD SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

4TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

5TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

6TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

7TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

8TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

9TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

10TH SERVICE
Date of Service: . . . . . .
Next Service due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/CORGI Registration Number

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